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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Krames, Michael R.; Rudaz, Serge L.; Wierer Jr., Jonathan J.
Assignee: LumiLeds Lighting U.S., LLC
Title: Multi-Layer Highly Reflective Ohmic Contacts For Semiconductor Devices
Serial No.: 09/469,652 Filing Date: December, 22 1999
Examiner: Unknown Group Art Unit: Unknown
Docket No.: 10992873-1
(M-9197 US)

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COMMISSIONER FOR PATENTS
Washington, D.C. 20231

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST

Sir:

The above-identified assignee hereby revokes all powers of attorney previously given and appoints hereby the following attorney(s) and/or agent(s) to prosecute the above-identified application and to transact all business in the United States Patent and Trademark Office in connection therewith:

Alan H. MacPherson (24,423); Brian D. Ogonowsky (31,988); David W. Heid (25,875); Norman R. Klivans (33,003); Edward C. Kwok (33,938); David E. Steuber (25,557); Michael Shenker (34,250); Stephen A. Terrile (32,946); Peter H. Kang (40,350); Ronald J. Meetin (29,089); Ken John Koestner (33,004); Omkar K. Suryadevara (36,320); David T. Millers (37,396); Michael P. Adams (34,763); Robert B. Morrill (43,817); James E. Parsons (34,691); Philip W. Woo (39,880); Emily Haliday (38,903); Tom Hunter (38,498); Michael J. Halbert (40,633); Gary J. Edwards (41,008); Daniel P. Stewart (41,332); Tom Chen (42,406); Fabio E. Marino (43,339); Don C. Lawrence (31,975); Marc R. Ascolese (42,268); Carmen C. Cook (42,433); David G. Dolezal (41,711); Roberta P. Saxon (43,087); Mary Jo Bertani (42,321); Dale R. Cook (42,434); Sam G. Campbell (42,381); Matthew J. Brigham (44,047); Shireen Irani Bacon (40,494); Rory G. Bens (44,028); George Wolken, Jr. (30,441); John A. Odozynski (28,769); Paul E. Lewkowicz (44,870); Theodore P. Lopez (44,881); Eric Stephenson (38,321); Christopher Allenby (45,906); David C. Hsia (46,235); Mark J. Rozman (42,117); Margaret M. Kelton (44,182); Do Te Kim (46,231); Alex Chen (45,591); Monique M. Heyninck (44,763); Gregory J. Michelson (44,940); Jonathan Geld (44,702); Emmanuel Rivera (45,760); Jason FarHadian (42,523); Matthew J. Spark (43,453); Elaine H. Lo (41,158); Jon Hallman (42,622); Robert Strawbrich (36,692); Rita M. Wisor (41,382); Gregory Powell (47,005); Mark E. Schmidt (47,063); and Rachel V. Leiterman (46,868).

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Please address all correspondence and telephone calls regarding this application to:

Brian D. Ogonowsky
SKJERVEN MORRILL MacPHERSON LLP
25 Metro Drive, Suite 700
San Jose, California 95110
Phone: 408-453-9200

ASSIGNEE CERTIFICATION UNDER 37 CFR 3.73(B)

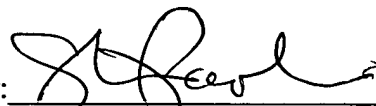
The undersigned representative of the above-identified assignee certifies that the above-identified assignee is the assignee of the entire right, title and interest in the above-identified patent application by virtue of a chain of title from the inventor(s) of the above-identified patent application to the above-identified assignee as shown below:

1. From: Krames, Michael R.; Rudaz, Serge L.; Wierer Jr., Jonathan J. To:
LumiLeds Lighting U.S., LLC. The document was submitted to the Patent and Trademark Office for recordation on July 11, 2000. A copy of the document is attached.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified assignee.

Dated: 31 OCT 2000

LumiLeds Lighting, U.S., LLC

By: 
Name: Steve Paolini
Title: Intellectual Property Manager

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RECORDATION FORM COVER SHEET
PATENTS ONLY

COPY

To the Honorable Director of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

(a) Jonathan J. Wierer, Jr.

(b) Michael R. Krames

(c) Serge L. Rudaz

Additional name(s) of conveying party(ies) (if any):

☐ Yes☒ No

2. Name and address of receiving party(ies):

Name: LumiLeds Lighting, U.S., LLCStreet Address: 370 W. Trimble Road, MS 91UKCity: San JoseState: CAZip: 95131Country: USA

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: December 22, 1999

Name and address of receiving party(ies):

Name: _____

Street Address: _____

City: _____

State: _____

Zip: _____

Country: _____

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: N/AA. Patent Application No.(s) - 09/469,652Title: Multi-Layer Highly Reflective Ohmic Contacts For Semiconductor Devices

B. Patent No.(s)

N/A

Additional numbers attached?

☐ Yes☒ NoRECEIVED
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5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Brian D. OgonowskyInternal Address: SKJERVEN MORRILL MacPHERSON LLPStreet Address: 25 METRO DRIVE, SUITE 700City SAN JOSE State CA ZIP 951106. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$40.00☒ Authorized to be charged to Deposit Account 19-2386☒ Charge Deposit Account 19-2386 for any additional fees required for this conveyance and credit deposit account 19-2386 any amounts overpaid

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8. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Brian D. Ogonowsky 31,988

Name of Person Signing

Signature7/11/00
DateTotal number of pages comprising cover sheet: 3

When recorded please return to:

AGILENT TECHNOLOGIES
Legal Department, 51UPD
P.O. Box 58043
Santa Clara, CA 95052-8043

PATENT APPLICATION

ATTORNEY DOCKET NO. 10992873-1

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to LUMILEDS LIGHTING U.S., LLC, a Delaware corporation having its principal place of business in San Jose, California, (hereinafter LUMILEDS), in furtherance of my/our obligations to LUMILEDS, and do hereby assign and transfer to LUMILEDS, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled

Multi-Layer Highly Reflective Ohmic Contacts For Semiconductor Devices

Filing Date: December 22, 1999 Serial No.: 09/469,652

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patent.

I/we additionally authorize LUMILEDS to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by LUMILEDS, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to LUMILEDS, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to LUMILEDS, or its nominee, all known facts respecting said invention(s) or improvements(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid LUMILEDS, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by LUMILEDS;

And I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to LUMILEDS, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct LUMILEDS attorneys to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

Jonathan J. Wierer, Jr. Date Assignment Signed: 22 Dec 1999
Inventor's Signature (Seal)

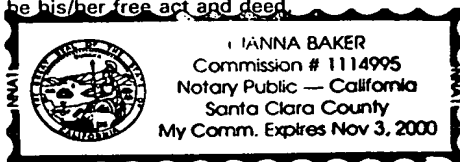
Inventor's Typed Name: Jonathan J. Wierer, Jr. Date Application Signed: 22 Dec. 1999

State of California)

) ss.:

County of Santa Clara)

Before me this 22 day of Dec 1999, personally appeared Jonathan J. Wierer, Jr. who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.



Janna Baker
Notary Public
My Commission expires: Nov. 3, 2000

(Use Page Two for Additional Inventor(s) Signature(s))

AGILENT TECHNOLOGIES
Legal Department, 51UPD
P.O. Box 58043
Santa Clara, CA 95052-8043

ATTORNEY DOCKET NO 10992873-1

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

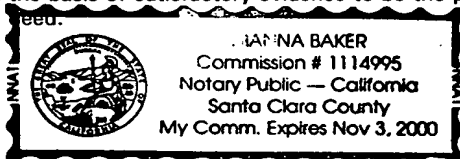
Michael L. Kramer Date Assignment Signed: 12/22/95
Inventor's Signature (Seal)

Inventor's Typed Name: Michael R. Krames Date Application Signed: 12/22/95


State of California

County of Santa Clara

Before me this 22 day of Nov 1999, personally appeared Michael R. Krames who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.



Deanna Baker
Notary Public
My Commission expires: Nov. 3, ²⁰⁰⁰~~1999~~ (DE)

 Date Assignment Signed: Dec. 22, 1999

Inventor's Signature (Seal) **Commission # 1114995**
Notary Public — California
Santa Clara County
My Comm. Expires Nov 3, 2000

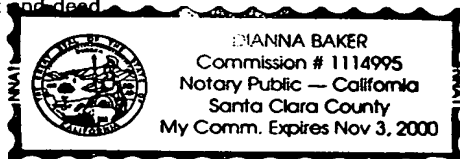
Deanna Baker
Notary Public
My Commission expires: Nov. 3, 2000

Inventor's Typed Name: Serge L. Rudaz Date application Signed: Dec. 22, 1999

State of California

County of Santa Clara

Before me this 22 day of Dec 1999, personally appeared Serge L. Rudaz who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.



Joanna Baker
Notary Public
My Commission expires: Nov. 3, 2000

Inventor's Signature (Seal)

Date Assignment Signed:

Inventor's Typed Name: _____ Date Application Signed: _____

State of

County of

Before me this _____ day of _____, personally appeared _____ who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

Notary Public
My Commission expires: